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(54) Title: MATERIALS AND METHODS FOR ANALYSIS OF ATP-BINDING CASSETTE TRANSPORTER GENE EXPRES-  
SION

(57) **Abstract:** The invention provides materials and methods for detecting the expression of ABC transporter genes. The materials include sets of primers and PCR amplicons. The sets of primers are used to generate PCR amplicons, wherein each PCR amplicon is a unique portion of an ABC transporter gene. The methods of the invention include hybridization assays, such as DNA microarrays. Kits and assays for the detection of ABC transporter gene expression are also provided by the invention. In addition, the use of the materials and methods of the invention in drug screening assays is provided.

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